

Nucleosil®*

- Base deactivated HD packings
- Pore size selection from 50 Å to 500 Å

Nucleosil is a high surface area spherical silica manufactured by Macherey-Nagel. This high quality silica has a narrow particle size distribution making it an efficient packing material for HPLC.

When choosing a Nucleosil column, the compound's molecular weight (MW) must first be taken into account. Most researchers

choose the 100 Å silicas for compounds with MW below 2000 daltons; in general, the 50 and 120 Å material are suitable for small molecule analysis. For proteins and other compounds with MW greater than 2000 daltons, the 300 Å and larger pore size silicas are the better choice.

Ordering Information

3 µm 100 Å Columns (mm)					SecurityGuard™ Cartridges (mm)	
Phases	125 x 4.0	50 x 4.6	100 x 4.6	150 x 4.6	4 x 2.0*	4 x 3.0*
C18	00E-0319-D0	00B-0319-E0	00D-0319-E0	00F-0319-E0	/10pk AJ0-4286	/10pk AJ0-4287
					for ID: 2.0-3.0 mm	3.2-8.0 mm

5 and 10 µm 100 Å Columns (mm)									SecurityGuard™ Cartridges (mm)		
Phases	150 x 2.0	250 x 3.2	125 x 4.0	250 x 4.0	125 x 4.6	150 x 4.6	250 x 4.6	250 x 10	4 x 2.0*	4 x 3.0*	10 x 10†
5 µm C8	—	—	00E-0322-D0	00G-0322-D0	—	00F-0322-E0	00G-0322-E0	—	/10pk AJ0-4289	/10pk AJ0-4290	/3pk AJ0-7222
5 µm C18	00F-0323-B0	00G-0323-R0	00E-0323-D0	00G-0323-D0	00E-0323-E0	00F-0323-E0	00G-0323-E0	00G-0323-N0	AJ0-4286	AJ0-4287	AJ0-7221
5 µm SA	00F-0325-B0	—	00E-0325-D0	—	—	00F-0325-E0	00G-0325-E0	—	AJ0-4307	AJ0-4308	AJ0-7369
5 µm NH ₂	—	—	—	00G-0327-D0	—	—	00G-0327-E0	—	AJ0-4301	AJ0-4302	AJ0-7364
5 µm NO ₂	—	—	—	—	—	—	00G-0307-E0	—	—	—	—
10 µm C18	—	—	00E-0330-D0	00G-0330-D0	—	00F-0330-E0	00G-0330-E0	00G-0330-N0	AJ0-4286	AJ0-4287	AJ0-7221
10 µm CN	—	—	—	00G-0331-D0	—	—	00G-0331-E0	—	AJ0-4304	AJ0-4305	AJ0-7213
									for ID: 2.0-3.0 mm	3.2-8.0 mm	9-16 mm

3 µm 120 Å Columns (mm)				SecurityGuard™ Cartridges (mm)	
Phases	125 x 4.0	100 x 4.6	150 x 4.6	4 x 3.0*	
C8	—	—	00F-0335-E0	/10pk AJ0-4290	
C18	00E-0339-D0	00D-0339-E0	00F-0339-E0	AJ0-4287	
					for ID: 3.2-8.0 mm

5 µm 120 Å Columns (mm)					SecurityGuard™ Cartridges (mm)	
Phases	250 x 3.2	250 x 4.0	150 x 4.6	250 x 4.6	4 x 3.0*	10 x 10†
C18	00G-0341-R0	00G-0341-D0	00F-0341-E0	00G-0341-E0	/10pk AJ0-4287	/3pk AJ0-7221
					for ID: 3.2-8.0 mm	9-16 mm

5 µm 300 Å Columns (mm)					SecurityGuard™ Cartridges (mm)	
Phases	250 x 2.0	250 x 4.0	150 x 4.6	250 x 4.6	4 x 2.0*	4 x 3.0*
C18	00G-0277-B0	00G-0277-D0	00F-0277-E0	00G-0277-E0	/10pk AJ0-4320	/10pk AJ0-4321
					for ID: 2.0-3.0 mm	3.2-8.0 mm

*SecurityGuard™ Analytical Cartridges require holder, Part No.: KJ0-4282

†SemiPrep SecurityGuard™ Cartridges require holder, Part No.: AJ0-7220

100 Å HD

Part No.	Mfr. No.	Description	Size (mm)	Price
CHO-4753	720192.46	3 µm C18 HD	250 x 4.6	
CHO-4757	720280.46	5 µm C18 HD	250 x 4.6	



Other column dimensions available upon request.



For SecurityGuard Cartridge Holders and Cartridges, see p. 254



For Chiral Stationary Phases, see pp. 325-338

*Nucleosil® is a registered trademark of Macherey-Nagel